



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
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D5641-1

Job Sheet 199337



Part No: D5641-1

Job Qty: 24 pcs

Part Name: Clamp



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/20/19

Job Tracking No:

Due Date: 8/23/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: D5641 REV.A4 IPP REV:A 18.05.22 NEW ISSUE DD VERF:JFS IPP REV:B 18.07.19 AS PER DWG REVA.4  
DD VERF:JFS

Ship Via:

## Bill of Materials

## Job Routing

| Op<br>No | Operation                   | Qty    | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier   |           | Sign-off |
|----------|-----------------------------|--------|------------|-------------|--------------|------------|-----------------------|-----------|----------|
|          |                             |        |            |             | Setup<br>Hrs | Run<br>Hrs | Workcenter / Supplier | Lead Time |          |
| 110      | Small Fab - 1               | 24 pcs | 8/23/19    |             | 0.00         | 2.40       | Small Fab - 1         |           | ML       |
|          |                             |        |            |             |              |            | Small Fab - 2         |           |          |
|          |                             |        |            |             |              |            | Small Fab - 3         |           |          |
|          |                             |        |            |             |              |            | Small Fab - 4         |           |          |
|          |                             |        |            |             |              |            | Small Fab - 5         |           |          |
|          |                             |        |            |             |              |            | Small Fab - 6         |           |          |
|          |                             |        |            |             |              |            | Small Fab - 7         |           |          |
|          |                             |        |            |             |              |            | Small Fab - 8         |           |          |
| 120      | QC 5                        | 24 pcs | 8/23/19    |             | 0.00         | 0.00       | QC 5 - 10             |           | A        |
|          |                             |        |            |             |              |            | QC 5 - 12             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 17             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 18             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 19             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 22             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 24             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 3              |           |          |
|          |                             |        |            |             |              |            | QC 5 - 43             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 49             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 51             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 58             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 68             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 9              |           |          |
|          |                             |        |            |             |              |            | QC 5 - 50             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 30             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 40             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 61             |           |          |
|          |                             |        |            |             |              |            | QC 5 - 81             |           |          |
| 130      | Packaging 3-1 - Stock - B4B | 24 pcs | 8/23/19    |             | 0.00         | 0.00       | Packaging 3 - 1 - B4B |           |          |
|          |                             |        |            |             |              |            | Packaging 3 - 2 - B4B |           |          |
|          |                             |        |            |             |              |            | Packaging 3 - 3 - B4B |           |          |



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Container No: S207819



Part: D5641-1

Job No: 199337

Serial No/Batch: S207819

Revision: A4

Inspector:

Exp Date:

Instructions: Various STC's

Date: 08/22/19

Plex 8/20/19 9:55 AM Dart.lajeunesse.marie

|     |            |        |         |                        |                 |
|-----|------------|--------|---------|------------------------|-----------------|
|     |            |        |         | Packaging 3 - 4 - B4B  |                 |
|     |            |        |         | Packaging 3 - 5 - B4B  |                 |
|     |            |        |         | Packaging 3 - 6 - B4B  |                 |
|     |            |        |         | Packaging 3 - 7 - B4B  |                 |
|     |            |        |         | Packaging 3 - 8 - B4B  |                 |
|     |            |        |         | Packaging 3 - 9 - B4B  |                 |
|     |            |        |         | Packaging 3 - 10 - B4B |                 |
|     |            |        |         | Packaging 3 - 11 - B4B |                 |
|     |            |        |         | Packaging 3 - 12 - B4B | <i>EL</i>       |
|     |            |        |         | Packaging 3 - 13 - B4B |                 |
|     |            |        |         | Packaging 3 - 14 - B4B |                 |
|     |            |        |         | Packaging 3 - 15 - B4B |                 |
|     |            |        |         | Packaging 3 - 16 - B4B |                 |
|     |            |        |         | Packaging 3 - 17 - B4B |                 |
|     |            |        |         | Packaging 3 - 18 - B4B |                 |
|     |            |        |         | Packaging 3 - 19 - B4B |                 |
|     |            |        |         | Packaging 3 - 20 - B4B |                 |
|     |            |        |         | Packaging 3 - 21 - B4B |                 |
|     |            |        |         | Packaging 3 - 22 - B4B |                 |
|     |            |        |         | Packaging 3 - 23 - B4B |                 |
|     |            |        |         | Packaging 3 - 24 - B4B |                 |
|     |            |        |         | Packaging 3 - 25 - B4B |                 |
|     |            |        |         | Packaging 3 - 26 - B4B |                 |
|     |            |        |         | Packaging 3 - 27 - B4B |                 |
|     |            |        |         | Packaging 3 - 28 - B4B |                 |
|     |            |        |         | Packaging 3 - 29 - B4B |                 |
|     |            |        |         | Packaging 3 - 30 - B4B |                 |
|     |            |        |         | Packaging 3 - 31 - B4B |                 |
|     |            |        |         | Packaging 3 - 32 - B4B |                 |
|     |            |        |         | Packaging 3 - 33 - B4B |                 |
|     |            |        |         | Packaging 3 - 34 - B4B |                 |
|     |            |        |         | Packaging 3 - 35 - B4B |                 |
|     |            |        |         | Packaging 3 - 36 - B4B |                 |
| 140 | QC 21 - SA | 24 pcs | 8/23/19 | 0.00 0.00              | QC 21 - SA - 21 |
|     |            |        |         |                        | QC 21 - SA - 70 |
|     |            |        |         |                        | QC 21 - SA - 53 |

Part Op **110** - Small Fab - Modify clamp as per dwg. Cut T-Bolt to length, deburr and re pass thread die as per dwg note 8. Install  
 Descriptions: nut by hand.  
**120** - QC5- Inspect part completeness to step on W/O  
**130** - Identify as per dwg & Stock Location: *W4001-18*  
**140** - QC21- Final Inspection - Work Order Release

| Job BOM     |                |              |                   |                |
|-------------|----------------|--------------|-------------------|----------------|
| Part / Item | Component Name | Quantity     | Operation         | Container      |
| MS21920-26  | Clamp          | 24 Ea (1 ea) | 110-Small Fab - 1 | <i>S207670</i> |

| Job Allocations   |                |          |           |           |
|-------------------|----------------|----------|-----------|-----------|
| Operation         | Component Part | Required | Inventory | Allocated |
| 110-Small Fab - 1 | MS21920-26     | 24       | 0         | 0         |

| Part Specifications                |  |
|------------------------------------|--|
| Specifications could not be found. |  |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |              |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |              |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | MRB (QSI042) |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disposition            |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Completed By           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead hand / Supervisor |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QC / QA Coordinator    |              |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                        |              |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |              |  |